I confirm that I have not received any unauthorized assistance in preparing for or writing this assignment. I acknowledge that a mark of 0 may be assigned for copied work. Deni Rakovic 110081508

1. A) Invalid – size mismatch

B) Valid

C) Invalid - size mismatch

D) Invalid – Invalid memory to memory operation

E) Invalid – Using movzx when type sizes are the same

F) Invalid – Using movzx with var as destination

G) Valid

H) Invalid – Moving val into seg register not allowed

1. AL = FC , AH = 01
2. AX = 1000h and after final statement AX = 3000h
3. mov edx,var4 ; EDX = 00000001

movzx edx,var2 ; EDX = 00001000

mov edx,[var4+4] ; EDX = 00000002

movsx edx,var1 ; EDX = FFFFFFFC

1. 1) INC val1

2) SUB eax, val3

3) mov ax, val2

sub ax, val4

mov val2, ax ;

4) CF = 0, SF = 1 since MSB is 1

5) CF = 0, SF = 1 since MSB is 1

1. A) CF = 1 SF = 0 ZF = 1 OF = 0

B) CF = 0 SF = 1 ZF = 0 OF = 1

C) CF = 0 SF = 1 ZF = 0 OF = 0

1. 1) 1

2) mov dx, WORD PTR [myBytes]

3) mov al, BYTE PTR [myWords + 1]

4) mov eax, DWORD PTR [myBytes]

1. mov esi,OFFSET myBytes ESI = address of myBytes

mov al,[esi] AL = 10h

mov al,[esi+3] AL = 40h

mov esi,OFFSET myWords + 2 ESI = address of myWords + 2

mov ax,[esi] AX = 3B8Ah

mov edi,8 EDI = 8

mov edx,[myDoubles + edi] EDX = 3